ThinkVision®

Personal Systems Reference Lenovo® ThinkVision® Monitors

July 2013 - Version 439

ThinkVision LT2323z Wide Monitor

*Visit **www.lenovo.com/psref** for the latest version*

Lenovo® D186 Wide

Name	**D186 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2580-AB1**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**18.5"** (**470mm**) diagonal
Max view area (W x H)	16.1" x 9.1" / 409.8mm x 230.4mm
Optimum resolution	**1366x768** at 60Hz
Maximum resolution	1366x768 at 60Hz (135MHz max pixel rate)
Aspect ratio	16:9
Pixel pitch (mm)	.300mm
Dot/Pixel per Inch	85 dpi
Brightness	200 nits or cd/m^2 (typical)
Contrast ratio	600:1 (typical)
Pixel response time	5ms (typical)
Color gamut	67%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	90° (+/- 45°) horizontal, 50° (+/- 25°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.61" (15.6mm); *top:* 0.67" (17.1mm); *bottom:* 1.19" (30.1mm)
Dimensions (HxWxD)	14.6" H x 17.4" W x 8.3" D; 370mm H x 442mm W x 210mm D
Power supply	16 watts typical, 24 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	7.28 lb; 3.3kg
Limited warranty[4]	**3 years** (includes backlight)
Available date	January 2010
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	None
Ergonomics	ISO 9241-307
Pixel defect	ISO 9241-307 pixel defect standard
Emission standards	FCC Class B
Environmental	WEEE, RoHS (EU Directive 2002/95/EC),
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 WXGA: 1280x720, 1280x768, 1360x768, 1366x768
Presets	Standard presets: 20; user settings: 16

Features

- Widescreen 18.5-inch monitor
- High Definition (HD) ready; 1366x768 resolution
- Detachable stand tilts for comfortable viewing
- Supports VESA mount (100mm)
- 50% less mercury
- Kensington® lock slot ready for enhanced security

Lenovo D186 Wide Monitor

Viewing adjustments	*Tilt:* 20° back, -5° forward; no lift; no swivel; detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (control buttons on front) for automatic image setup and adjustment for brightness
USB hub	None
Multiple input	None
Monitor connectors	VGA 15-pin D-shell, analog, blue
Signal cables	Detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced January 12, 2010

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Lenovo® ThinkVision® LS1922 Wide

Name	**LS1922 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2580-AF1**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**18.5"** (**470mm**) diagonal
Max view area (W x H)	16.1" x 9.1" / 409.8mm x 230.4mm
Native resolution	**1366x768**
Aspect ratio	16:9
Pixel pitch (mm)	.300mm
Dot/Pixel per Inch	85 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.61" (15.6mm); *top:* 0.67" (17.1mm); *bottom:* 1.19" (30.1mm)
Dimensions (HxWxD)	14.54" H x 17.38" W x 8.25" D; 370.1mm H x 442.2mm W x 210.0mm D
Power supply	14 watts typical, 18 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	6.55 lb; 2.97 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	February 2012

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 5.1
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Displays 5.2), WEEE, RoHS

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600
	XGA:	1024x768
	WXGA:	1280x720, 1280x768, 1360x768, 1366x768
Presets / user settings	Standard presets: 16 (VGA); user settings: 16	

Features

- Widescreen 18.5-inch monitor
- Supports HD 1366x768 resolution
- Supports VESA mount (100mm)
- Mercury free panel and arsenic free glass
- Kensington® lock slot ready for enhanced security
- Microsoft® Windows® 7 certified
- Support Lenovo Tiny PC via VESA mount

ThinkVision LS1922 Wide Monitor

Viewing adjustments	*Tilt:* 20° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (control buttons on front) for automatic image setup and adjustment for brightness
Multiple input	None
Monitor connectors	VGA 15-pin D-shell, analog, blue
Signal cables	detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, Setup poster with Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced February 28, 2012

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Lenovo® ThinkVision® LS2023 Wide

Personal Systems Reference (PSREF)

Name	**LS2023 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**3778-HB2**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**20.0"** (**508mm**) diagonal
Max view area (W x H)	17.4" x 9.8" (443mm x 249mm)
Native resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.276mm
Dot/Pixel per Inch	92 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.598" (15.2mm); *top:* 0.606" (15.4mm); *bottom:* 1.020" (25.9mm)
Dimensions (HxWxD)	14.28" H x 18.71" W x 6.19" D; 362.8mm H x 475.1mm W x 157.4mm D
Power supply	19 watts typical, 22 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	7.01 lb; 3.18 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2012

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Displays 6.0), WEEE, RoHS **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 WXGA: 1280x800, 1280x768, 1280x720, 1360x768 WXGA+: 1440x900, 1600x900
Presets / user settings	Standard presets: 16 user settings: 16

Features

- Widescreen 20-inch monitor
- Supports 1600x900 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- EPEAT Gold certified
- Microsoft® Windows® 7 certified

ThinkVision LS2023 Wide Monitor

Viewing adjustments	*Tilt:* 21° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 18, 2012

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Lenovo® ThinkVision® LS2223 Wide

Name	**LS2223 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**3783-HB2**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**21.5"** (**546mm**) diagonal
Max view area (W x H)	18.76" x 10.55" (476.6mm x 268.1mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	.248mm
Dot/Pixel per Inch	103 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.591" (15.0mm); *top:* 0.701" (17.8mm); *bottom:* 0.996" (25.3mm)
Dimensions (HxWxD)	15.08" H x 20.00" W x 6.19" D; 383.0mm H x 508.0mm W x 157.4mm D
Power supply	21 watts typical, 25 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	7.74 lb; 3.51 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2012

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Displays 6.0), WEEE, RoHS **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024 WXGA: 1280x800, 1280x768, 1280x720, 1360x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 16 user settings: 16

Features

- Widescreen 21.5-inch monitor
- Supports Full HD 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- EPEAT Gold certified
- Microsoft® Windows® 7 certified

ThinkVision LS2223 Wide Monitor

Viewing adjustments	*Tilt:* 21° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, dual input and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 18, 2012

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Lenovo® ThinkVision® LS2323 Wide

Name	**LS2323 Wide Flat Panel Monitor**
Case color	**Raven black**
Type-model	**3794-HB1**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**23"** (**584mm**) diagonal
Max view area (W x H)	20.04" x 11.28" (509.2mm x 286.4mm)
Native resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	.265mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.709" (18.0mm); *top:* 0.709" (18.0mm); *bottom:* 1.197" (30.4mm)
Dimensions (HxWxD)	15.92" H x 21.57" W x 7.67" D; 403.9mm H x 547.8mm W x 194.9mm D
Power supply	30 watts typical, 35 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	8.20 lb; 3.72 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2012
VESA-compliant[2]	VESA DDC/CI, VESA DPMS-compliant
Power management	ENERGY STAR® qualified
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO (TCO Displays 5.2), RoHS **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400, 700x570 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 26; user settings: 26

Features

- Widescreen 23-inch monitor
- Supports Full HD 1920x1080 resolution
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- EPEAT Gold certified
- Microsoft® Windows® 7 certified

ThinkVision LS2323 Wide Monitor

Viewing adjustments	*Tilt:* 21° backward, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons at the middle bottom of the front bezel) for automatic image setup and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, tooless detachable stand, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 18, 2012

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Lenovo® ThinkVision® LT1421 Wide Mobile Monitor

Name	**LT1421 Wide Mobile Monitor**
Case color	**Raven black**
Type-model	**1452-DS6 (with Protective Screen Cover)**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**14.0"** (**355.6mm**) diagonal
Max view area (W x H)	12.2" x 6.9" (310.8mm x 175.3mm)
Optimum resolution	**1366x768**
Aspect ratio	16:9
Pixel pitch (mm)	.227mm
Dot/Pixel per Inch	112 dpi
Brightness	200 nits or cd/m² (typical)
Contrast ratio	400:1 (typical)
Pixel response time	8ms (typical)
Color gamut	45%
Viewing angle at 10:1 CR	90° (+/- 45°) horizontal, 50° (+/- 25°) vertical
Stand	Tilt adjustable stand
Bezel width	*Sides:* 0.476" (12.1mm)
Dimensions (HxWxD)	8.58" H x 13.19" W x 0.37-0.85" D; 217.9mm H x 335mm W x 9.3-21.5mm D
Power supply	4.2 watts typical, 5 watts maximum, <0.1 watts standby/suspend, universal, USB 2.0 cable (no external brick-like power supply)
Weight	*monitor only:* 1.91 lb; 0.87 kg; *with Protective Screen Cover:* 2.31 lb; 1.05 kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.1
Emission standards	FCC Class B
Environmental	WEEE, RoHS
Preset resolutions	Display mode and resolution auto setup

Protective Screen Cover	Polycarbonate Snap-On Cover protects the LCD Screen while not in use

Viewing adjustments	*Tilt:* 12° - 40° backward
Screen control	Brightness (16 levels)
Input	USB input
Monitor connectors	USB 2.0
Signal cables	detachable, USB Y-Type cable, 1.8 meter
Mounting features	None
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Features

- Widescreen 14-inch mobile monitor designed for ThinkPad
- Light and Slim
- Super low power (<5 watts)
- Supports 1366x768 resolution
- Ergonomic stand tilts, provides a 12° - 40° backward tilt adjustment for comfortable viewing
- Detachable USB cable for power and signal
- Microsoft® Windows® 7 certified

ThinkVision LT1421 Wide Mobile Monitor

ThinkVision LT1421 Wide Mobile Monitor with ThinkPad Edge E420s

ThinkVision LT1421 with Protective Screen Cover

Ship group	Monitor, attached tile stand that cannot be removed, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter USB Y-Type cable, Protective Screen Cover

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced August 16, 2011

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Lenovo® ThinkVision® L1711p

Name	**L1711p Flat Panel Monitor**
Case color	**Business black**
Type-model	**5047-HB2**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**17.0"** (**432mm**) diagonal
Max view area (W x H)	13.3" x 10.6" (337.9mm x 270.3mm)
Optimum resolution	**1280x1024** at 60Hz
Maximum resolution	1280x1024 at 75Hz (165MHz max pixel rate)
Aspect ratio	5:4
Pixel pitch (mm)	0.264mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	160° (+/- 80°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt height adjustable stand
Bezel width	*Sides:* 0.6" (15.3mm); *top:* 0.72" (18.4mm); *bottom:* 1.11" (28.1mm)
Dimensions (HxWxD)	16-20.33" H x 14.6" W x 6.1" D; 405.7-515.7mm H x 370mm W x 155.2mm D
Power supply	18 watts typical, 21 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.3 lb; 4.21kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	November 2009
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO (TCO Displays 5.0), WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024
Presets / user settings	Standard presets: 17; user settings: 22

Features

- Regular screen 17-inch monitor
- Supports SXGA 1280x1024 resolution
- Ergonomic stand tilts and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Reduces mercury content by 50% and arsenic free glass
- Up to 70% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision L1711p Monitor

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 4.3" (110mm); detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9215)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced October 20, 2009

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Lenovo® ThinkVision® LT1712p

Personal Systems Reference (PSREF)

Name	**LT1712p Flat Panel Monitor**
Case color	**Business black**
Type-model	**5047-HC2**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**17.0"** (**432mm**) diagonal
Max view area (W x H)	13.3" x 10.6" (337.9mm x 270.3mm)
Optimum resolution	**1280x1024**
Aspect ratio	5:4
Pixel pitch (mm)	0.264mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.72" (18.4mm); *bottom:* 1.11" (28.1mm)
Dimensions (HxWxD, excluding stand)	12.5" H x 14.6" W x 2.1" D; 318.3mm H x 370.0mm W x 53.0mm D
Dimensions (HxWxD, including stand)	16.0" H x 14.6" W x 6.1" D; 405.7mm H x 370.0mm W x 155.2mm D
Power supply	15.5 watts typical, 19.0 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.35 lb; 4.24kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	January 2013
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 6.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768 SXGA: 1280x1024
Presets / user settings	Standard presets: 17; user settings: 22

Features

- 17-inch Square LCD monitor
- Supports SXGA 1280x1024 resolution
- Ergonomic stand tilts and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Arsenic free glass
- Supports Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Microsoft® Windows® 7 certified

ThinkVision LT1712p Monitor

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 4.3" (110mm); detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced July 3, 2012

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Flat Panel Monitors - US model

Name	**L197 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**4434-HE1**
Stand	Tilt stand
Screen	LCD Active Matrix TFT (Thin Film Transistor)
Viewable image size (diag)	**19.0"** / **481mm** (diagonal)
Aspect ratio	16:10
Pixel pitch (mm)	.285mm
Max view area (inches)	16.1" x 10.0" (horizontal x vertical)
Max view area (mm)	408mm x 255mm (horizontal x vertical)
Viewing angle at 5:1 CR	176° vertical, 176° horizontal
Viewing angle at 10:1 CR	160° vertical, 170° horizontal
Video input	**Digital or analog (two separate connectors)**
Dual input	**Dual input** (two different PCs attach to two different connectors; one PC shows image; select via button)
Rotating screen	No pivot
USB Hub	None
Optimum resolution	**1440x900** at 60Hz
Maximum resolution	1440x900 at 75Hz (137MHz maximum pixel rate)
Vertical frequency	50 to 76Hz
Horizontal frequency	30 to 81kHz
Preset display modes	VGA: 640x480 60, 66, 72, 75Hz 640x350 70Hz 720x400 70Hz SVGA: 800x600 56, 60, 72, 75Hz 832x624 75Hz XGA: 1024x768 60, 70, 75Hz 1152x864 75Hz SXGA: 1280x1024 60, 70, 75Hz WXGA+: 1440x900 60, 75Hz
Presets / user settings	Standard presets: 20; user settings: 20
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%

Features

- Widescreen 19-inch flat panel monitor
- EPEAT™ Gold rating
- View images in a 16:10 wide aspect ratio
- Resolution of 1440x900 provides crisp screen images
- Slim 14.3mm (0.56") side bezel
- High-bandwidth Digital Content Protection (HDCP)-compliant
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Complements the ThinkCentre® and ThinkPad® systems
- Microsoft® Windows® Vista™ Premium certified

Lenovo ThinkVision L197 Wide

On screen display	On screen display with digital user controls (7 languages)
Control features	Direct access (buttons on front) for automatic image setup
Monitor connectors	Two connectors: (1) analog VGA 15-pin D-shell [blue], (2) Digital Visual Interface (DVI-D) for digital (not analog) attach [white], **HDCP-compliant**
Signal cables	Two cables: (1) detachable, VGA 15-pin D-shell at each end (for analog connector), 1.8 meter, matches color of monitor (2) detachable digital, DVI-D at each end (for digital connector), 1.8 meter, matches color of monitor
Anti-reflective	Anti-reflective, anti-glare
Dimensions	15.0"H x 17.3"W x 7.0"D / 381mm height x 440mm width x 179mm depth
Weight	9.15lb / 4.15kg
Viewing adjustments	Tilt: 30° back, 4° forward / no lift, no swivel, detachable stand
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 13406 Part 2[1]
Pixel defect	ISO 13406-2 Class II pixel defect standard
Emission standards	MPR-2, MPR-3A, FCC Class B
Environmental	TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), **EPEAT™ Gold rating**
Ship group	Monitor, attached stand, Setup Guide, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, analog signal cable, digital signal cable, 1.8m black power cord
Power supply	90-264Vac (universal), integrated (no external brick-like power supply), 22 watts typical, <2 watts standby/suspend
Limited warranty[4]	**3 year** (includes backlight)
Available date	April 2008

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced April 15, 2008

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Lenovo® ThinkVision® L1900p

Name	**L1900p Flat Panel Monitor**
Case color	**Business black**
Type-model	**4431-HE1**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**19.0"** (**483mm**) diagonal
Max view area (W x H)	14.8" x 11.85" (376mm x 301mm)
Optimum resolution	**1280x1024** at 60Hz
Maximum resolution	1280x1024 at 75Hz (135MHz max pixel rate)
Aspect ratio	5:4
Pixel pitch (mm)	.294mm
Dot/Pixel per Inch	86 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	800:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	56 to 76Hz
Horizontal frequency	30 to 81kHz
Viewing angle at 10:1 CR	160° (+/- 80°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.6" (15.3mm); *top:* 0.66" (16.8mm); *bottom:* 1.05" (26.8mm)
Dimensions (HxWxD)	14.9-19.2" H x 16.1" W x 7.4-9.5" D; 378.7-488.7mm H x 408mm W x 188-241.1mm D
Power supply	17 watts typical, 24 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.5 lb; 5.7kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	November 2008

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 13406 Part 2[1]
Pixel defect	ISO 13406-2 Class II pixel defect standard
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO 03, WEEE, RoHS (EU Directive 2002/95/EC), **EPEAT™ Gold rating**, GREENGUARD® certified

Preset resolutions	VGA:	640x350, 640x480, 720x400
	SVGA:	800x600
	XGA:	1024x768
	SXGA:	1280x1024
Presets / user settings	Standard presets: 21; user settings: 17	

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
Multiple input	Multiple input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Features

- Regular screen 19-inch monitor
- Supports SXGA 1280x1024 resolution
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Detachable rear stand cable cover and clip to hide cables
- Microsoft® Windows® Vista® certified

ThinkVision L1900p Monitor with optional ThinkVision Soundbar

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced November 11, 2008

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Lenovo® ThinkVision® LT1952p Wide

Name	**LT1952p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2448-MB6**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19"** (**482.6mm**) diagonal
Max view area (W x H)	16.07" x 10.05" (408.2mm x 255.2mm)
Optimum resolution	**1440x900**
Max pixel rate	137MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.2835mm
Dot/Pixel per Inch	89.4 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt, swivel, and height adjustable stand
Bezel width	*Sides:* 0.61" (15.6mm); *top:* 0.67" (17.1mm); *bottom:* 1.2" (30.5mm)
Dimensions (HxWxD)	15.66-19.99" H x 17.36" W x 6.74" D; 397.7-507.7mm H x 440.9mm W x 171.3mm D
Power supply	13 watts typical, 17 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	9.49 lb; 4.30kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011
VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 5.1
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1366x768 WXGA+: 1440x900
Presets / user settings	Standard presets: 22; user settings: 22

Features

- Widescreen 19-inch monitor
- Supports 1440x900 resolution
- Ergonomic stand tilts, swivel, and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Mercury and arsenic free glass
- Recycled content in plastic material
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision LT1952p Wide Monitor

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 4.3" (110mm); *swivel:* +/-180°; detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, HDCP-compliant (3) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 13, 2011

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Lenovo® ThinkVision® LT1953 Wide

Name	**LT1953 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**1453-HB1** (Latin America)
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19"** (**482.6mm**) diagonal
Max view area (W x H)	16.07" x 10.05" (408.2mm x 255.2mm)
Optimum resolution	**1440x900**
Max pixel rate	205MHz(VGA), 165MHz(DVI)
Aspect ratio	16:10
Pixel pitch (mm)	0.2835mm
Dot/Pixel per Inch	89.4 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.66" (16.8mm); *top:* 0.66" (16.8mm); *bottom:* 0.66" (16.8mm)
Dimensions (HxWxD, excluding stand)	11.42" H x 17.45" W x 1.99" D; 290.2mm H x 443.2mm W x 50.5mm D
Dimensions (HxWxD, including stand)	13.94" H x 17.45" W x 6.33" D; 354.0mm H x 443.2mm W x 160.7mm D
Power supply	17 watts typical, 20 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	6.61 lb; 3.00kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2013

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR® 6.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA+: 1440x900
Presets / user settings	Standard presets: 20; user settings: 20

Features

- Widescreen 19-inch monitor
- Supports 1440x900 resolution
- VGA and DVI connections
- Arsenic free glass
- Support Lenovo Tiny PC via VESA mount
- 85% PCC plastic resins
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT1953 Wide Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward;
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, tilt stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information

Latin America model announced March 5, 2013 (This model is not available in the US)

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Lenovo® ThinkVision® LT2013p Wide

Name	**LT2013p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60A0MAR1US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19.5"** (**494mm**) diagonal
Max view area (W x H)	17.05" x 9.44" / 433.0mm x 239.8mm
Optimum resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.27mm
Dot/Pixel per Inch	94 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.66" (16.8mm); *top:* 0.66" (16.8mm); *bottom:* 0.66" (16.8mm)
Dimensions (HxWxD, excluding stand)	10.82" H x 18.39" W x 2.07" D; 274.8mm H x 467.0mm W x 52.8mm D
Dimensions (HxWxD, including stand)	13.25" H x 18.39" W x 7.87" D; 336.5mm H x 467.0mm W x 200.0mm D
Power supply	17 watts typical, 36 watts maximum, <1.0 watts sleep/off (w/o USB hub); <0.5 watts switch off (w/o USB hub) integrated (no external brick-like power supply)
Weight	9.70 lb; 4.40kg (excluding stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2013
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 6.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.1, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900 WSXGA+: 1600x900
Presets / user settings	Presets: 24; user settings: 24
Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) HDMI (1.4), digital, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party asccessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, tooless detachable stand, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern, and monitor installation files, analog signal cable, 1.8 meter USB cable, 1.8 meter black power cord

Features

- Widescreen 19.5-inch monitor
- HD support, HDCP-compliant
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Arsenic/Lead/Mercury free
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT2013p Wide Monitor

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced March 12, 2013

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Lenovo® ThinkVision® LT2013s Wide

Personal Systems Reference (PSREF)

Name	**LT2013s Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60ABAAR1US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**19.5"** (**494mm**) diagonal
Max view area (W x H)	17.08" x 9.30" / 433.9mm x 236.3mm
Optimum resolution	**1600x900**
Aspect ratio	16:9
Pixel pitch (mm)	.27 (H) x .26 (V) mm
Dot/Pixel per Inch	281/94 dpi
Brightness	200 nits or cd/m² (typical)
Contrast ratio	600:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	90° (+/- 45°) horizontal, 50° (+ 15/- 35°) vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.62" (15.85mm); *top:* 0.73" (18.55mm); *bottom:* 0.73" (18.55mm)
Dimensions (HxWxD, excluding stand)	10.83" H x 18.41" W x 2.09" D; 274.8mm H x 467.0mm W x 53.0mm D
Dimensions (HxWxD, including stand)	13.50" H x 18.41" W x 6.33" D; 342.4mm H x 467.0mm W x 160.7mm D
Power supply	17 watts typical, 19 watts maximum, <0.5 watts sleep/off; <0.5 watts switch off integrated (no external brick-like power supply)
Weight	5.50 lb; 2.50kg (excluding stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	July 2013

VESA-compliant[2]	VESA DDC2B/CI, EDID 1.3
Power management	ENERGY STAR®[3] 6.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	RoHS, **EPEAT™ Silver rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900 WSXGA+: 1600x900
Presets / user settings	Presets: 24; user settings: 24

Features

- Widescreen 19.5-inch monitor
- Compliance with ENERGY STAR 6.0
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- EPEAT Silver certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT2013s Wide Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward;
Rotating screen	**None**
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	None
Multiple input	VGA input
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party asccessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, stand and base, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern, and monitor installation files, analog signal cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced July 10, 2013

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Lenovo® ThinkVision® LT2223p Wide

Name	**ThinkVision LT2223p** **21.5-inch FHD LED Backlit LCD Monitor**
Case color	**Business black**
Type-model	**60A1MAR2US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**21.5"** (**546mm**) diagonal
Max view area (W x H)	18.74" x 10.54" / 476.1mm x 267.8mm
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.248mm
Dot/Pixel per Inch	103 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Dynamic Contrast ratio	2000000:1
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.68" (17.3mm); *top:* 0.68" (17.3mm); *bottom:* 0.68" (17.3mm)
Dimensions (HxWxD, excluding stand)	11.97" H x 20.18" W x 2.22" D; 304.1mm H x 512.6mm W x 56.4mm D
Dimensions (HxWxD, including stand)	14.29" H x 20.18" W x 8.60" D; 362.9mm H x 512.6mm W x 218.4mm D
Power supply	23 watts typical, 27 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight (including stand)	10.94 lb; 4.96kg
Weight (Head only)	6.77 lb; 3.07kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2013
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 6.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.1, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900 WSXGA+: 1600x900, 1680x1050 Full HD: 1920x1080
Presets / user settings	Presets: 27; user settings: 20
Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB 2.0 Hub: 1 port into PC (USB 2.0); 4 ports for accessories (4 USB 2.0)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort (1.2), digital, black, **HDCP-compliant** (3) HDMI (1.4), digital, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party asccessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, tooless detachable stand, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern, and monitor installation files, analog signal cable, 1.8 meter USB cable, 1.8 meter black power cord

Features

- Widescreen 21.5-inch monitor
- 1080p full HD support
- Integrated USB Hub (4 USB 2.0)
- Supports VGA, DisplayPort 1.2 and HDMI 1.4 interfaces (HDCP-compliant)
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Arsenic/Lead/Mercury free
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT2223p Wide Monitor

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Lenovo USB Soundbar	0A36190
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information

US model announced March 12, 2013

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Lenovo® ThinkVision® LT2223z Wide

Name	**ThinkVision LT2223z** **21.5-inch FHD LED Backlit LCD VoIP Monitor**
Case color	**Business black**
Type-model	**60A2MAR2US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**21.5"** (**546mm**) diagonal
Max view area (W x H)	18.74" x 10.54" / 476.1mm x 267.8mm
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	0.248mm
Dot/Pixel per Inch	103 dpi
Brightness	250 nits or cd/m² (typical)
Contrast ratio	1000:1 (typical)
Dynamic Contrast ratio	2000000:1
Pixel response time	5ms (typical)
Color gamut	72%
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.68" (17.3mm); *top:* 1.33" (33.8mm); *bottom:* 1.88" (47.8mm)
Dimensions (HxWxD, excluding stand)	13.82" H x 20.18" W x 2.12" D; 351.1mm H x 512.6mm W x 56.4mm D
Dimensions (HxWxD, including stand)	14.94" H x 20.18" W x 8.60" D; 379.4mm H x 512.6mm W x 218.4mm D
Power supply	24 watts typical, 28 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight (including stand)	11.98 lb; 5.43kg
Weight (Head only)	7.79 lb; 3.53kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	April 2013

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 6.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.1, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900 WSXGA+: 1600x900, 1600x1050 Full HD: 1920x1080
Presets / user settings	Presets: 25; user settings: 20

Features

- Widescreen 21.5-inch monitor
- 1080p full HD support
- Integrated camera (FHD), speakers & dual digital microphone
- Integrated USB 3.0 Hub (2 USB 3.0)
- Supports VGA, DisplayPort 1.2 and HDMI 1.4 interfaces (HDCP-compliant)
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Arsenic/Lead/Mercury free
- EPEAT Gold certified
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT2223z Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for MIC mute, speaker mute and hook switch buttons
USB hub	USB 3.0 Hub: 1 port into PC (USB 3.0); 2 ports for accessories (2 USB 3.0)
Multimedia	Integrated digital speakers (3 watts x 2)
Camera	Integrated camera (FHD) and digital dual microphone array, with Camera lock button for security
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort (1.2), digital, black, **HDCP-compliant** (3) HDMI (1.4), digital, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, tooless detachable stand, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern, and installation files, analog signal cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced March 12, 2013

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Lenovo® ThinkVision® L2250p Wide

Name	**L2250p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2572-HB6**
Panel	TFT-LCD, twisted nematic (TN), CCFL backlight
Viewable image size	**22.0"** (**559mm**) diagonal
Max view area (W x H)	18.7" x 11.7" (473.8mm x 296.1mm)
Optimum resolution	**1680x1050** at 60Hz
Maximum resolution	1680x1050 at 75Hz (205MHz max pixel rate)
Aspect ratio	16:10
Pixel pitch (mm)	.282mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt and height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.79" (20.0mm); *bottom:* 1.10" (28.0mm)
Dimensions (HxWxD)	15.68-18.83" H x 19.92" W x 6.11" D; 398.3-478.3mm H x 506mm W x 155.2mm D
Power supply	21 watts typical, 28 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	11.49 lb; 5.21kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	October 2009
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR® 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO (TCO Displays 5.0), WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA+: 1440x900 UXGA: 1600x1000 WSXGA+: 1680x1050
Presets / user settings	Standard presets: 24; user settings: 20

Features

- Widescreen 22-inch monitor
- Supports WSXGA+ 1680x1050 resolution
- Ergonomic stand tilts and provides a 3.1" (80mm) range height adjustment for comfortable viewing
- Includes dual input connection for attachment to two systems concurrently (analog and digital)
- Reduces mercury content by 50% and arsenic free glass
- Up to 65% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision L2250p Wide Monitor

Viewing adjustments	*Tilt:* 20° back, -3° forward; *lift:* 3.1" (80mm); detachable stand
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
USB hub	None
Camera	None
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter digital signal cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced October 20, 2009

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Lenovo® ThinkVision® LT2252p Wide

Name	**LT2252p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2572-MB6 / 2572-MB1**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**22"** (**559mm**) diagonal
Max view area (W x H)	18.7" x 11.7" (473.8mm x 296.1mm)
Optimum resolution	**1680x1050**
Max pixel rate	205MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.282mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.79" (20.0mm); *bottom:* 1.10" (28.0mm)
Dimensions (HxWxD)	14.46-18.79" H x 19.92" W x 9.50" D; 367.3-477.3mm H x 506mm W x 241.2mm D
Power supply	20 watts typical, 26 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.97lb; 5.89kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR®[3] 5.1 (2572-MB6) ENERGY STAR®[3] 6.0 (2572-MB1)
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2, TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 1600x900 WSXGA+: 1680x1050
Presets / user settings	Standard presets: *VGA/DisplayPort:* 26; *DVI-D:* 25; user settings: 25

Features

- Widescreen 22-inch monitor
- Supports 1680x1050 resolution
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Mercury and arsenic free glass
- Recycled content in plastic material
- Privacy Filter Slot
- Microsoft® Windows® 7 certified
- Model 2572-MB1 supports Lenovo Tiny PC via optional Lenovo bracket

ThinkVision LT2252p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	None
Camera	None
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) Digital Visual Interface (DVI-D) for digital attach [white], **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DVI-D cable,1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information

US model announced September 13, 2011 or December 18, 2012

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Name	**L2251x Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**2578-HB6**
Panel	TFT-LCD, twisted nematic (TN), **white LED backlight**
Viewable image size	**22.0"** (**559mm**) diagonal
Max view area (W x H)	18.7" x 11.7" / 473.8mm x 296.1mm
Optimum resolution	**1680x1050** at 60Hz
Maximum resolution	1680x1050 at 75Hz (205MHz max pixel rate)
Aspect ratio	16:10
Pixel pitch (mm)	.282mm
Dot/Pixel per Inch	90 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	68%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.60" (15.3mm); *top:* 0.79" (20.0mm); *bottom:* 1.10" (28.0mm)
Dimensions (HxWxD)	14.97-19.3" H x 19.92" W x 9.50" D; 380.3-490.3mm H x 506mm W x 241.2mm D
Power supply	21 watts typical, 28 watts maximum, <1 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.39 lb; 5.63kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	November 2009

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 5.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2. MPR-3A, FCC Class B
Environmental	TCO (TCO Certified Edge), WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA+: 1440x900 UXGA: 1600x1000 WSXGA+: 1680x1050
Presets / user settings	Standard presets: 24; user settings: 20

Features

- Widescreen 22-inch monitor with white LED backlight
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Detachable rear stand cable cover and clip to hide cables
- Integrated camera (0.3 megapixel) and microphone
- Integrated ambient light sensor and a proximity sensor, save more energy and make viewing more comfortable
- Low halogen, mercury free, and arsenic free glass, 92% recycled packaging materials
- Privacy Filter Slot
- Microsoft® Windows® 7 certified

ThinkVision L2251x Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup
USB hub	USB 2.0 Hub (1 port into PC, 3 ports for accessories)
Camera	Integrated camera (0.3 megapixel) and microphone
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter USB cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7[8] day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced October 20, 2009

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Lenovo® ThinkVision® LT2323p Wide

Name	**LT2323p Wide Flat Panel Monitor**
Case color	**Raven black**
Type-model	**3024-HC1**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**23.0"** (**584mm**) diagonal
Max view area (W x H)	18.65" x 11.66" / 473.8mm x 296.1mm
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	.265mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	5ms (typical)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	30 to 83kHz
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.68" (17.2mm); *top:* 0.70" (17.7mm); *bottom:* 0.94" (24.0mm)
Dimensions (HxWxD)	14.66" H x 21.49" W x 2.06" D; (excluding stand) 372.3mm H x 546.0mm W x 52.3mm D
Power supply	20 watts typical, 38 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	12.65 lb; 5.74kg (excluding stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	May 2012

VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 6.0 DRAFT
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO (TCO Certified Edge 1.1), WEEE, RoHS, **EPEAT™ Gold rating**

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1360x768 WXGA+: 1440x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Presets: 26; user settings: 25

Features

- Widescreen 23-inch monitor
- 1080p full HD support, HDCP-compliant
- Built-in VGA, DVI and DisplayPort connectors for attachment to three systems concurrently
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0 DRAFT
- Microsoft® Windows® 7 certified

ThinkVision LT2323p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, tooless detachable stand, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern, and monitor installation files, analog signal cable, DVI-D cable, 1.8 meter USB cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Lenovo DisplayPort to DisplayPort Monitor Cable	0A36537
Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced May 1, 2012

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Lenovo® ThinkVision® LT2323z Wide

Name	**LT2323z Wide Flat Panel Monitor**
Case color	**Raven black**
Type-model	**3028-LB2**
Panel	TFT-LCD, In-Plane Switching (IPS), White LED backlight
Viewable image size	**23.0"** (**584mm**) diagonal
Max view area (W x H)	20.05" x 11.28" / 509.2mm x 286.4mm
Optimum resolution	**1920x1080**
Aspect ratio	16:9
Pixel pitch (mm)	.265mm
Dot/Pixel per Inch	96 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (typical)
Color gamut	72%
Anti-reflective	Anti-glare
Vertical frequency	50 to 75Hz
Horizontal frequency	*VGA:* 30 to 81kHz; *DP:* 30 to 75kHz
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) vertical
Stand	Tilt, swivel, pivot, and height adjustable stand (tooless detachable)
Bezel width	*Sides:* 0.68" (17.3mm); *top:* 1.15" (29.1mm); *bottom:* 2.76" (70.1mm)
Dimensions (HxWxD)	15.24" H x 21.47" W x 2.22" D; (excluding stand) 387.2mm H x 545.3mm W x 56.4mm D
Power supply	25 watts typical, 40 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	13.71 lb; 6.22kg (excluding stand)
Limited warranty[4]	**3 year** (includes backlight)
Available date	June 2012
VESA-compliant[2]	VESA DDC2B/CI, VESA DPMS-compliant
Power management	ENERGY STAR®[3] 6.0 DRAFT
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO (TCO Certified Edge 1.1), WEEE, RoHS, **EPEAT™ Gold rating**
Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1360x768 WXGA+: 1440x900 WSXGA+: 1600x1050 UXGA: 1600x1200 Full HD: 1920x1080
Presets / user settings	Presets: 26; user settings: 20

Features

- Widescreen 23-inch IPS monitor
- 1080p full HD support, HDCP-compliant
- Built-in VGA and DisplayPort connectors for attachment to two systems concurrently
- Integrated camera (HD) and dual digital microphone
- Integrated USB 3.0 Hub
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Compliance with ENERGY STAR 6.0 DRAFT
- Ambient light sensor to automatically adjust the backlight
- Microsoft® Lync™ certified VoIP monitor
- EPEAT Gold certified

ThinkVision LT2323z Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller, do not support image rotation under dual image modes)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front and side) for MIC mute, speaker mute, hook switch and volume +/- buttons
USB hub	USB 3.0 Hub: 1 port into PC; 5 ports for accessories (3 USB 3.0 + 2 USB 2.0)
Multimedia	Integrated digital speakers (3 watts x 2)
Camera	Integrated camera (HD) and digital dual microphone array, with Camera lock button for security
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, tooless detachable stand, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern, and installation files, analog signal cable, DisplayPort cable, 1.8 meter USB 3.0 cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington® MicroSaver® Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
Lenovo Easy Reach Monitor Stand	55Y9258
ThinkCentre Extend Arm	57Y4352

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced June 5, 2012

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Lenovo® ThinkVision® LT2423 Wide

Name	**LT2423 Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60A8KAR2US**
Panel	TFT-LCD, twisted nematic (TN), White LED backlight
Viewable image size	**24"** (**610mm**) diagonal
Max view area (W x H)	20.9" x 11.8" (531.4mm x 298.9mm)
Optimum resolution	**1920x1080**
Max pixel rate	205MHz
Aspect ratio	16:9
Pixel pitch (mm)	0.278mm
Dot/Pixel per Inch	92 dpi
Brightness	250 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Contrast ratio	2000000:1
Pixel response time	5ms
Color gamut	72%
Viewing angle at 10:1 CR	170° horizontal, 160° vertical
Stand	Tilt stand
Bezel width	*Sides:* 0.67" (17.0mm); *top:* 0.67" (17.0mm); *bottom:* 1.02" (26.0mm)
Dimensions (HxWxD, excluding stand)	13.53" H x 22.33" W x 1.97" D; 343.7mm H x 567.1mm W x 50.0mm D
Dimensions (HxWxD, including stand)	16.30" H x 22.33" W x 8.50" D; 414.3mm H x 567.1mm W x 216.7mm D
Power supply	21 watts typical, 31 watts maximum, <0.5 watts standby/suspend, universal, integrated (no external brick-like power supply)
Weight	8.30 lb; 3.76kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	July 2013

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR®[3] 6.0
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600, 832x624 XGA: 1024x768, 1152x864 SXGA: 1280x1024 WXGA: 1366x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080
Presets / user settings	Standard presets: 24; User settings: 20

Features

- Widescreen 24-inch monitor
- Supports 1920x1080 resolution
- Two 3W stereo speakers
- Audio in (3.5mm)
- Supports VGA and HDMI 1.4 interfaces
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Microsoft® Windows® 8 certified
- Arsenic/Lead/Mercury free

ThinkVision LT2423 Wide Monitor

Viewing adjustments	*Tilt:* 22° back, -5° forward
Rotating screen	None
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
Multimedia	Integrated stereo speakers (3 watts x 2)
Multiple input	Dual input (two different PCs attach to two different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) HDMI (1.4), digital, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, attached stand, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter Audio cable, 1.8 meter black power cord

Limited Warranty

See details at **http://support.lenovo.com/en_US/guides-and-manuals/detail.page?DocID=UM008281**

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information

US model announced June 25, 2013

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Lenovo® ThinkVision® LT2452p Wide

Name	**LT2452p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**4420-MB2 / 60A6MAR2US**
Panel	TFT-LCD, e-IPS, White LED backlight
Viewable image size	**24"** (**610mm**) diagonal
Max view area (W x H)	20.4" x 12.8" (518.4mm x 324.0mm)
Optimum resolution	**1920x1200**
Max pixel rate	202.5MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.270mm
Dot/Pixel per Inch	94 dpi
Brightness	300 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	7ms (GtG)
Color gamut	72%
Anti-reflective	Anti-reflective, anti-glare
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.78" (19.9mm); *top:* 0.78" (19.9mm); *bottom:* 1.12" (28.4mm)
Dimensions (HxWxD)	15.54-19.87" H x 22" W x 10.13" D; 394.8-504.8mm H x 559.6mm W x 257.3mm D
Power supply	30 watts typical (w/o USB hub), 40 watts maximum (w/o USB hub), <0.5 watts standby/suspend (w/o USB hub), universal, integrated (no external brick-like power supply)
Weight	14.70 lb; 6.67kg
Limited warranty[4]	**3 year** (includes backlight)
Available date	September 2011 / April 2013

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR®[3] 5.1 (4420-MB2) ENERGY STAR®[3] 6.0 (60A6MAR2US)
Ergonomics	ISO 9241-307
Emission standards	MPR-2, FCC Class B
Environmental	TCO Displays 5.2 (4420-MB2), TCO Displays 6.0 (60A6MAR2US), TCO Certified Edge 1.1, WEEE, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA: 1280x768, 1280x800, 1366x768 WXGA+: 1440x900 UXGA: 1600x1200 WSXGA+: 1680x1050 Full HD: 1920x1080 WUXGA: 1920x1200
Presets / user settings	Standard presets: 30; User settings: 20

Features

- Widescreen 24-inch monitor
- Supports 1920x1200 resolution
- High Definition (HD) ready; supports 1080p video
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Cable Management for better user experience
- Carrying handle
- Recycled content in plastic material
- Microsoft® Windows® 8 certified
- PVC/Arsenic/Lead/Mercury free (60A6MAR2US)

ThinkVision LT2452p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, 0° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait** (requires image rotation support from graphics controller)
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB 2.0 Hub (1 port into PC, 4 ports for accessories)
Multiple input	Triple input (three different PCs attach to three different connectors; one PC shows image; select via button)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort, digital, black, **HDCP-compliant** (3) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DVI-D at each end, digital, 1.8 meter Note: DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537)
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)
Ship group	Monitor, attached stand, cable cover, Setup poster, Safety and Warranty Information, CD with multilingual User's Guide and monitor installation files, 1.8 meter analog signal cable, 1.8 meter DVI-D cable, 1.8 meter USB cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

DisplayPort to DisplayPort Monitor Cable	0A36537
Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced September 13, 2011 or April 16, 2013

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Lenovo® ThinkVision® LT3053p Wide

Name	**LT3053p Wide Flat Panel Monitor**
Case color	**Business black**
Type-model	**60A4RAR1US**
Panel	TFT-LCD, AH-IPS, White LED backlight
Viewable image size	**30"** (**762mm**) diagonal
Max view area (W x H)	25.2" x 15.8" (641.3mm x 400.8mm)
Optimum resolution	**2560x1600**
Max pixel rate	205MHz
Aspect ratio	16:10
Pixel pitch (mm)	0.251mm
Dot/Pixel per Inch	101 dpi
Brightness	350 nits or cd/m^2 (typical)
Contrast ratio	1000:1 (typical)
Pixel response time	6ms (Grey To Grey average)
Color gamut	99% (Adobe RGB)
Viewing angle at 10:1 CR	178° horizontal, 178° vertical
Stand	Tilt, swivel, pivot, and height adjustable stand
Bezel width	*Sides:* 0.91" (23.1mm); *top:* 0.91" (23. 2mm); *bottom:* 0.91" (23.1mm)
Dimensions (HxWxD, excluding stand)	17.69" H x 27.17" W x 2.44" D; 449.3mm H x 690mm W x 62mm D
Dimensions (HxWxD, including stand)	18.55" H x 27.17" W x 9.51" D; 471.1mm H x 690mm W x 241.5mm D
Power supply	88 watts typical (w/o USB hub), 130 watts maximum (w/o USB hub), <1.2 watts sleep/off (w/o USB hub); <0.5 watts switch off (w/o USB hub) integrated (no external brick-like power supply)
Weight	25.35 lb; 11.5kg (including stand and shading hood)
Limited warranty[4]	**3 year** (includes backlight)
Available date	March 2013

VESA-compliant[2]	VESA DDC2B/CI
Power management	ENERGY STAR®[3] 6.0
Ergonomics	ISO 9241-307
Emission standards	FCC Class B
Environmental	TCO Displays 6.0, TCO Certified Edge 1.2, RoHS, **EPEAT™ Gold rating**, ULE Gold

Preset resolutions	VGA: 640x350, 640x480, 720x400 SVGA: 800x600 XGA: 1024x768,1152x864 SXGA: 1280x1024 WXGA: 1280x720, 1280x768, 1280x800, 1360x768 WXGA+: 1440x900, 1600x900 WSXGA+: 1680x1050 Full HD: 1920x1080 WUXGA: 1920x1200 WQXGA: 2560x1600 other: 640x1600, 1280x1600, 1920x1600,
Presets / user settings	Standard presets: 21; user settings: 20

Features

- Widescreen 30-inch monitor
- Supports 2560x1600 resolution
- PiP(Picture in Picture) Anywhere Solution (software)
- 5-Ports USB hub, support USB 3.0 and USB 2.0
- Support VGA, DVI, HDMI, DisplayPort and MHL
- Support DaisyChain
- Ergonomic stand tilts, swivels, pivots and provides a 4.3" (110mm) range height adjustment for comfortable viewing
- Bundled Professional Hood
- Support Lenovo Tiny PC and 3rd party thin client via optional Lenovo bracket
- Arsenic/Lead/Mercury free
- Microsoft® Windows® 7 certified
- Microsoft Windows 8 certified

ThinkVision LT3053p Wide Monitor

Viewing adjustments	*Tilt:* 30° back, -5° forward; *lift:* 4.3" (110mm); *swivel:* +/-45°; detachable stand
Rotating screen	**Screen pivots 90 degrees from landscape to portrait**
On screen display	On screen display with digital user controls (8 languages)
Control features	Direct access (buttons on front) for automatic image setup, input switch, and brightness
USB hub	USB Hub (1 USB 3.0 w/Battery charger, 2 USB 3.0, 2 USB 2.0)
Multiple input	Support VGA, DVI-D, HDMI, DisplayPort, MHL connections (Mobile High-definition Link)
Monitor connectors	(1) VGA 15-pin D-shell, analog, blue (2) DisplayPort (1.2), digital, black, **HDCP-compliant** (3) Digital Visual Interface (DVI-D), digital, white, **HDCP-compliant** (4) HDMI (1.4), digital, **HDCP-compliant**
Signal cables	(1) detachable, VGA 15-pin D-shell at each end, analog, 1.8 meter (2) detachable, DisplayPort at each end, digital, 1.8 meter (3) detachable, DVI-D at each end, digital, 1.8 meter Note: HDMI cable is not included
Mounting features	Wall or desk mounting using the Extend Arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)
Security	Security keyhole for attachment of optional cable lock (Kensington® lock-compatible)

Ship group	Monitor, tooless detachable stand, shading hood, Quick start and safety poster, CD with multilingual User's Guide, setup test pattern, Picture In Picture Anywhere installation files and user guide, 1.8 meter analog signal cable, 1.8 meter DisplayPort cable, 1.8 meter DVI-D cable, 1.8 meter USB 3.0 cable, 1.8 meter USB 2.0 cable, 1.8 meter black power cord

Limited Warranty

- **3 year limited warranty**[4]
- **International Warranty Service**[5]
- **Replacement normally arrives in two business days, excluding holidays**
- **Lenovo pays all shipping costs for valid warranty claims**[6]
- **Service upgrade options:**[7]
  - **3 year, on site exchange, Mon-Fri 9-5 with next day response** (Lenovo Services part number 41C9209)
  - **4 year, on site exchange, Mon-Fri 9-5 with next day response** (41C9233)
  - **4 year, mail exchange** (51J0589)
  - **5 year, mail exchange** (51J0590)
- **24x7**[8] **day toll-free support for warranty issues during the warranty period**[4]

Accessories

Kensington MicroSaver Cable Lock	73P2582
Kensington Twin Head Cable Lock	45K1620
Lenovo Security Cable Lock	57Y4303
ThinkCentre Extend Arm	57Y4352
Lenovo Easy Reach Monitor Stand	55Y9258

See details at **www.lenovo.com/support/monitoraccessories**

See all monitors at **www.lenovo.com/thinkvision**

See footnotes for important warranty information
US model announced March 12, 2013

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Kensington® MicroSaver® Cable Lock from Lenovo
(73P2582)
Kensington Twin Head Cable Lock from Lenovo
(45K1620)
Lenovo Security Cable Lock
(57Y4303)

Lenovo USB Soundbar
(0A36190)

Lenovo Easy Reach Monitor Stand
(55Y9258)

ThinkCentre Extend Arm
(57Y4352)

Lenovo DisplayPort to VGA Monitor Cable
(57Y4393)
Lenovo DisplayPort to Single-link DVI-D Monitor Cable
(45J7915)
Lenovo Mini-DisplayPort to VGA Monitor Cable
(0A36536)
Lenovo DisplayPort to DisplayPort Monitor Cable
(0A36537)

Lenovo® Monitor Accessories

Monitor Accessories[46] (all part numbers listed are US option P/N)

Lenovo DisplayPort to VGA Monitor Cable **	57Y4393	*ann 08/04/09*
DisplayPort to Single-link DVI-D Cable **	45J7915	*ann 08/05/08*
Lenovo Mini-DisplayPort to VGA Monitor Cable **	0A36536	*ann 05/17/11*
*** Supports a maximum 1920 x 1200 monitor resolution.*		
Lenovo DisplayPort to DisplayPort Monitor Cable***	0A36537	*ann 09/13/11*
***Hardware requirement: All Lenovo systems and monitors with DisplayPort 1.1a or 1.2 interface.*		
Lenovo USB Soundbar	0A36190	*ann 05/01/12*
Kensington® MicroSaver® Cable Lock	73P2582	*ann 12/29/03*
Kensington Twin Head Cable Lock	45K1620	*ann 09/30/08*
Lenovo Security Cable Lock	57Y4303	*ann 08/24/10*
Lenovo Easy Reach Monitor Stand	55Y9258	*ann 09/22/09*
ThinkCentre Extend Arm	57Y4352	*ann 07/06/10*

[46] Compatible on selected Lenovo and ThinkVision monitors.

Compatibility matrix

	DisplayPort to VGA Cable (57Y4393)	DisplayPort to DVI-D Cable (45J7915)	Mini-Display-Port to VGA Monitor Cable (0A36536)	DisplayPort to DisplayPort Monitor Cable (0A36537)	Lenovo USB Soundbar (0A36190)	MicroSaver Cable Lock (73P2582)	Twin Head Cable Lock (45K1620)	Security Cable Lock (57Y4303)	Easy Reach Monitor Stand (55Y9258)	Extend Arm (57Y4352)
LT1421						73P2582	45K1620	57Y4303		
L1711p	57Y4393	45J7915	0A36536		0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
D186	57Y4393		0A36536			73P2582	45K1620	57Y4303	55Y9258	57Y4352
L197	57Y4393	45J7915	0A36536			73P2582	45K1620	57Y4303	55Y9258	57Y4352
L1900p	57Y4393	45J7915	0A36536		0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
L1951p	57Y4393	45J7915	0A36536		0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
LT1952p	57Y4393	45J7915	0A36536	0A36537	0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
L2021	57Y4393	45J7915	0A36536		0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
LS2221			0A36536			73P2582	45K1620	57Y4303	55Y9258	57Y4352
L2250p	57Y4393	45J7915	0A36536		0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
✂ L2251p	57Y4393		0A36536	0A36537	0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
LT2252p	57Y4393	45J7915	0A36536	0A36537	0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
L2251x	57Y4393		0A36536	0A36537	0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
✂ L2321x	57Y4393		0A36536	0A36537	0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
LS2421p			0A36536	0A36537		73P2582	45K1620	57Y4303	55Y9258	57Y4352
✂ L2440p	57Y4393	45J7915	0A36536		0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
LT2452p	57Y4393	45J7915	0A36536	0A36537	0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
LS1922	57Y4393		0A36536			73P2582	45K1620	57Y4303	55Y9258	57Y4352
LT2323p	57Y4393	45J7915	0A36536	0A36537	0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
✂ L2461x	57Y4393		0A36536			73P2582	45K1620	57Y4303	55Y9258	57Y4352
✂ L151	57Y4393					73P2582	45K1620		55Y9258	
✂ L151p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L171	57Y4393					73P2582	45K1620		55Y9258	
✂ L171p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L172	57Y4393					73P2582	45K1620		55Y9258	
✂ L174	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L1700p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ D185	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L190x	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L191	57Y4393					73P2582	45K1620		55Y9258	
✂ L192p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L193p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L194	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L1940p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L200p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L201p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L2060	57Y4393	45J7915				73P2582	45K1620	57Y4303	55Y9258	57Y4352
✂ L215	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L215p	57Y4393					73P2582	45K1620		55Y9258	
✂ L220x	57Y4393					73P2582	45K1620		55Y9258	
✂ L2230x	57Y4393				0A36190	73P2582	45K1620	57Y4303	55Y9258	57Y4352
✂ L2240p	57Y4393	45J7915				73P2582	45K1620		55Y9258	
✂ L2440x	57Y4393	45J7915			0A36190	73P2582	45K1620		55Y9258	

✂ *Monitors withdrawn from marketing.*

More information at **www.lenovo.com/support/monitoraccessories**

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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Warranty: For a copy of applicable product warranties, go to: http://support.lenovo.com/en_US/product-service/warranty-status/WarrantyPolicies.page. Lenovo makes no representation or warranty regarding third party products or services.

[1] **ISO-compliant:** Compliance with ISO 9241 Part 3, ISO Part 7, ISO Part 8, and/or ISO 13406 Part 2 is dependent on a complete ISO-capable platform of a system unit, monitor, video subsystem, operating system and fonts.

[2] **VESA:** Requires attachment to suitably configured system with similarly enabled operating system.

[3] **ENERGY STAR:** As an ENERGY STAR partner, Lenovo has determined that this product meets the ENERGY STAR 4.0 or 4.1 guidelines for energy efficiency. Requires attachment to suitably configured system.

[4] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[5] **International Warranty Service** is available in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[6] **Lenovo pays all shipping costs** for warranty repairs during limited warranty period.

[7] **Lenovo Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part will be express shipped to you for quick replacement. Onsite 24x7x2-hour service is not available in all locations. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.

[8] **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary. May exclude some holidays. If a machine is listed as having "On-site service for select repairs", this means that onsite service is available only for the replacement of select parts. For all other warranty repairs, Lenovo will provide the customer a replacement part for customer installation. The parts for which onsite service is available varies by machine, but may include the processor, power supply, heat sink, system board, or base cover. For machines with EasyServ or Courier service, Lenovo will attempt to diagnose and resolve the problem remotely before sending a courier.

[10] **TAA:** Monitor is compliant with the U.S. Federal Government's country-of-origin requirements prescribed in 48 C.F.R. Subpart 25.4; Trade Act Agreement (TAA) model.

[11] **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.

[12] **Halogen:** Less than 900 Parts Per Million. Low halogen is defined in accordance with IPC-401B and draft IPC-J-STD 709 Class 1 requirements.

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July 2013
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